

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joseph Seeber reg. no. 27,719 on January 26, 2012.

The following claims listed below supersede all previously filed claims

1. Claim 5. A system for secure direct information transfer over an Internet, comprising information transmitting terminal devices for collaborating with an information forwarding network and for taking part in information traffic, each information transmitting terminal device comprising a sender partial unit, a receiver partial unit and a storage partial unit; wherein said storage partial unit comprises an ID-register containing a device identification signal, a C-register for storing a coding key, and a D-register for storing a decoding key; wherein the C-register storing the coding key is connected to the sender partial unit, and a respective coding key and a respective collaborating decoding key are assigned to a corresponding information transmitting terminal device; wherein the storage partial unit of each information transmitting terminal device includes at least one temporary storage register for the temporary storage of the coding keys of other information transmitting terminal devices; wherein the information forwarding

network includes at least one central traffic- coordinating unit having an MD-register for storing a master decoding key and a memory unit including base cells for storing the coding keys belonging to individual information transmitting terminal devices; wherein a master coding key collaborating with the master decoding key is allocated to the central traffic coordinating unit, and the C-registers of the information transmitting terminal devices are provided with a master coding key collaborating with the master decoding key stored in the MD-register of the central traffic coordinating unit, wherein, in the storage partial unit of a first information transmitting terminal device, there is only information which is free from the coding key of the first information transmitting terminal device, while only the coding key of a second information transmitting terminal device participating in an information exchange is temporarily stored in the temporary storage register of the first information transmitting terminal device; and wherein only the coding key of the first information transmitting terminal device participating in the information exchange is temporarily stored in the temporary storage register of the second information transmitting terminal device; whereby, for the duration of actual information exchange, the first information transmitting terminal device and the second information transmitting terminal device are directly linked to one another so that data flow without the mediation of the central traffic coordinating unit is provided.

2. Claim 6. The system as recited in claim 5, wherein the temporary storage registers of the information transmitting terminal devices are connected to the sender partial unit.

3. Claim 7. The system as recited in claim 6, wherein the central traffic coordinating unit is provided with an MC-register for storing a master coding key.
4. Claim 8. The system as recited in claim 5, wherein the central traffic coordinating unit is provided with an MC-register for storing a master coding key.
5. Claim 9. The system as recited in claim 5, wherein the coding key of a given information transmitting terminal device is never stored in said given information transmitting terminal device.
6. Claim 10. The system as recited in claim 5, wherein the respective coding key and the respective collaborating decoding key are never stored together in a same location.
7. Claim 11. The system as recited in claim 5, wherein the respective collaborating decoding key is stored in its information transmitting terminal device from the outset, and the respective coding key is stored in the central traffic coordinating unit at the outset but is sent to another information transmitting terminal device which does not have the respective collaborating decoding key.

8. Claim 12. The system as recited in claim 5, wherein the respective collaborating decoding key is stored in its information transmitting terminal device from the outset, and the respective coding key is stored in the central traffic coordinating unit at the outset but is sent to another information transmitting terminal device which does not have the respective collaborating decoding key.

9. Claim 13. The system as recited in claim 5, wherein said coding keys and said decoding keys comprise asymmetric keys.

REASON FOR ALLOWANCE

1. The Examiner finds applicant's remarks submitted on 7/22/2010 to be persuasive to overcome the rejection made under U.S.C. 103(a) Sasmazel (European Patent Application 1328101 A2) in view of Zeidler (US Patent No. 4,578,530). The Examiner notes that applicant's independent claim 5 limitation elements of: "wherein the information forwarding network includes at least one central traffic- coordinating unit having an MD-register for storing a master decoding key and a memory unit including base cells for storing the coding keys belonging to individual information transmitting terminal devices"; "wherein a master coding key collaborating with the master decoding key is allocated to the central traffic coordinating unit, and the C-registers of the information transmitting terminal devices are provided with a master coding key collaborating with the master decoding key stored in the MD-register of the central traffic coordinating unit, while only the coding key of a second information transmitting terminal

device participating in an information exchange is temporarily stored in the temporary storage register of the first information transmitting terminal device”; and “whereby, for the duration of actual information exchange, the first information transmitting terminal device and the second information transmitting terminal device are directly linked to one another so that data flow without the mediation of the central traffic coordinating unit is provided” are not disclosed by the above cited prior art.

2. The Examiner notes the teaching of prior art Maggenti et al. (US Patent Publication No. US 2002/0055366 A1)). The Examiner notes the above reference was obtained from an updated prior art and interference search. The Examiner contends that Maggenti discloses the use of a symmetric keys and a central communication manager, however the Examiner notes that Maggenti teachings do not disclose applicant's claim limitation elements of: “wherein the information forwarding network includes at least one central traffic- coordinating unit having an MD-register for storing a master decoding key and a memory unit including base cells for storing the coding keys belonging to individual information transmitting terminal devices” and “wherein a master coding key collaborating with the master decoding key is allocated to the central traffic coordinating unit, and the C-registers of the information transmitting terminal devices are provided with a master coding key collaborating with the master decoding key stored in the MD-register of the central traffic coordinating unit”.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Accordingly, Claims 5-13 are allowed.

Interview Summary

The Examiner contacted attorney of record, Joseph Seeber with a proposed amendment to claims 5-13 to place the application in condition for allowance. The Examiner notes that Mr. Seeber agreed to the proposed claims. The Examiner additionally notes that the claim amendment has been capture above in an Examiner's Amendment.

Response to Arguments

The Examiner notes applicant's remarks submitted on 7/22/2010 have been considered.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRYAN WRIGHT whose telephone number is (571)270-3826. The examiner can normally be reached on 8:30 am - 5:30 pm Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Flynn Nathan can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BRYAN WRIGHT/
Examiner, Art Unit 2431

**/NATHAN FLYNN/
Supervisory Patent Examiner, Art Unit 2431**